

Assessment

# Chapter Test C

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## Cycles in Nature

### MULTIPLE CHOICE

Circle the letter of the best answer for each question.

1. What do all organic molecules contain?
  - a. oxygen
  - b. nitrogen
  - c. water
  - d. carbon
2. Why do living things need nitrogen?
  - a. to build new cells
  - b. to get rid of wastes
  - c. to cool them off
  - d. to carry nutrients
3. Where can primary succession begin?
  - a. in a place with only rocks
  - b. in a place with trees
  - c. in a place with crops
  - d. in a place with weeds
4. What plant will most likely grow first in secondary succession?
  - a. pine tree
  - b. lichen
  - c. crab grass
  - d. hardwood tree
5. Which of these might be a climax species?
  - a. the first species in an area
  - b. the first insects to eat lichens
  - c. the most common weeds in a farm field
  - d. the oldest trees in a forest

Chapter Test C *continued*

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**MATCHING**

Read the description. Then, draw a line from the dot next to each description to the matching word.

- |  |   |                      |
|--|---|----------------------|
| 6. Bacteria in soil change nitrogen gas into other forms.    | ● |                      |
| 7. Carbon moves between the environment and living things.   | ● | a. photosynthesis    |
| 8. Nitrogen moves between the environment and living things. | ● | b. nitrogen fixation |
| 9. Plants use carbon dioxide to make sugars.                 | ● | c. carbon cycle      |
|  |   | d. nitrogen cycle    |
| <hr/>  |   |                      |
| 10. A substance burns.                                       | ● |                      |
| 11. Plants release water vapor.                              | ● | a. respiration       |
| 12. Organisms use oxygen and release carbon dioxide.         | ● | b. transpiration     |
|  |   | c. combustion        |
| 13. A substance is broken into simpler molecules.            | ● | d. decomposition     |

Chapter Test C *continued*

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**FILL-IN-THE-BLANK**

Read the words in the box. Read the sentences. **Fill in each blank** with the word or phrase that best completes the sentence.

runoff	biodiversity	pioneer species
succession	groundwater	

14. Precipitation that is stored in the ground is

\_\_\_\_\_.

15. The growing of a community over time is

\_\_\_\_\_.

16. The variety of species present in an area is called

\_\_\_\_\_.

17. Precipitation that runs from land to rivers and lakes is

\_\_\_\_\_.

18. The first living things to grow in an area are

\_\_\_\_\_.

Chapter Test C *continued*

**MATCHING**

Read the description. Then, draw a line from the dot next to each description to the matching letter on the picture.

- 19. precipitation ●
- 20. transpiration ●
- 21. evaporation ●
- 22. condensation ●

